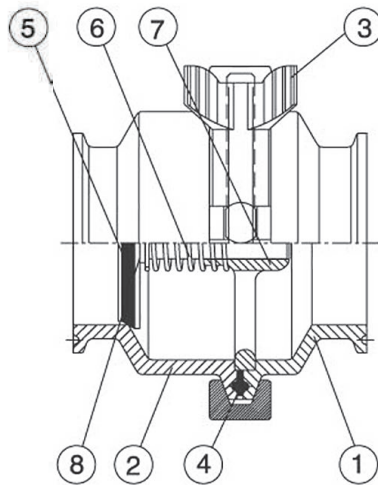
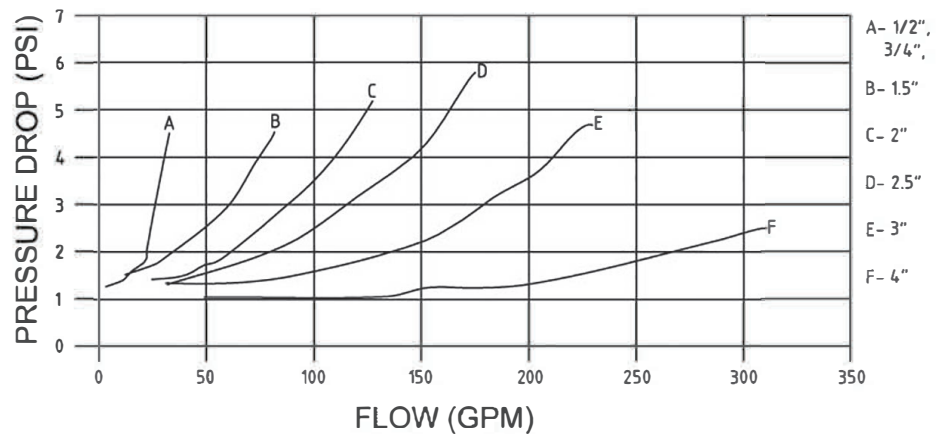




| NO. | NAME               |
|-----|--------------------|
| 1   | Short Body         |
| 2   | Long Body          |
| 3   | Clamp              |
| 4   | 13 PG              |
| 5   | Seal-Ring          |
| 6   | ST.ST Spring       |
| 7   | Flow Support Plate |
| 8   | Disc               |

### Spring Check Valve Pressure Drop

(fig. 3)



Note: For the diagram the following applies:  
Medium: Water(20°C)

(PSI)

| 1/2" | 3/4" | 1.0" | 1.5" | 2.0" | 2.5" | 3.0" | 4.0" |
|------|------|------|------|------|------|------|------|
| 0.5  | 0.5  | 3.0  | 1.6  | 0.6  | 1.3  | 0.8  | 0.9  |

open pressure (fig. 1)

### Materials

Steel parts: Stainless steel  
SS316(L)

Seal rings: EPDM rubber or  
SILICON/VITON

Finish:  $OD \leq 0.8$ ,  $ID \leq 0.8$  or  $0.4 \mu m$

### Connections

The valve is available with  
welding ends for tubes  
according to 3A,  
SMS, BS, DIN 11851.

### Technical data

Required different pressure for  
opening the valve fitted in a vertical  
pipe, as shown in fig. 3,

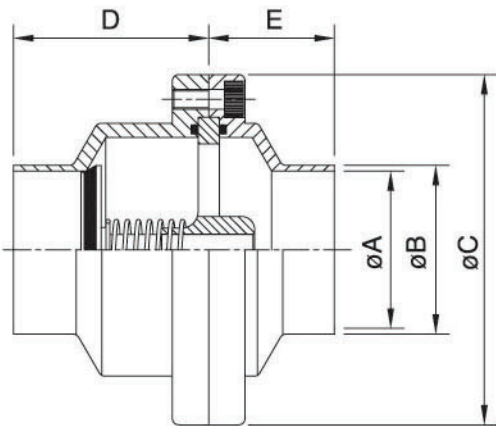
the open pressure

Max. product pressure: 1000kpa(10bar)

### Material grades

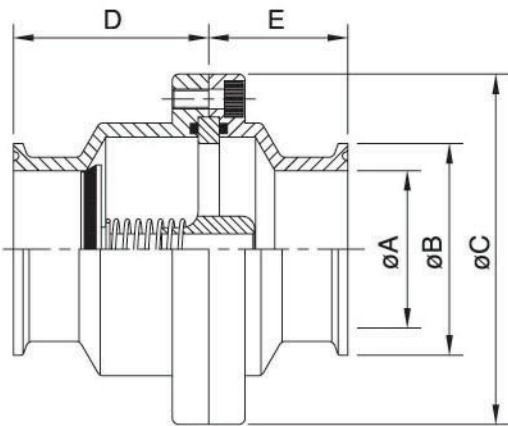
Gasket - Body - EPDM / Silicon

Flow Area - EPDM / SILICON / VITON



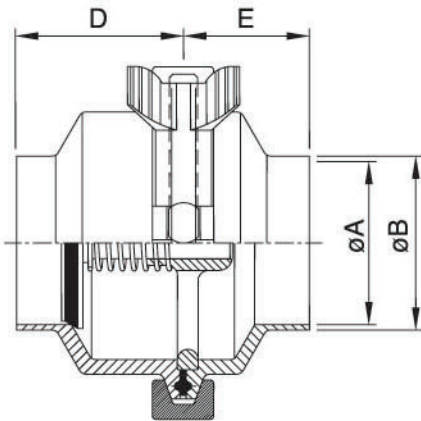
**MIDDLE FLANGE / WELD END**

| SIZE | øA   | øB    | øC  | D  | E  |
|------|------|-------|-----|----|----|
| 1/2" | 9.4  | 12.7  | 47  | 34 | 23 |
| 3/4" | 15.8 | 19.05 | 55  | 34 | 23 |
| 1.0" | 22.1 | 25.4  | 80  | 59 | 38 |
| 1.5" | 34.8 | 38.1  | 93  | 59 | 38 |
| 2.0" | 47.5 | 50.8  | 106 | 59 | 38 |
| 2.5" | 60.2 | 63.5  | 123 | 59 | 38 |
| 3.0" | 72.9 | 76.2  | 136 | 59 | 38 |
| 4.0" | 97.4 | 101.6 | 157 | 50 | 44 |



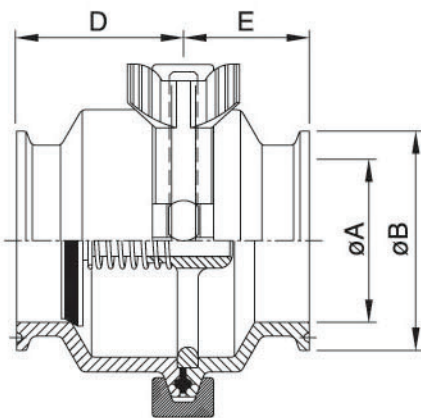
**MIDDLE FLANGE / CLAMP END**

| SIZE | øA   | øB   | øC  | D    | E    |
|------|------|------|-----|------|------|
| 1/2" | 9.5  | 25.2 | 47  | 39.5 | 28.5 |
| 3/4" | 15.9 | 25.2 | 55  | 39.5 | 28.5 |
| 1.0" | 22.2 | 50.5 | 80  | 59   | 42   |
| 1.5" | 34.9 | 50.5 | 93  | 59   | 42   |
| 2.0" | 47.6 | 64   | 106 | 59   | 42   |
| 2.5" | 60.3 | 77.5 | 123 | 59   | 42   |
| 3.0" | 73   | 91   | 136 | 59   | 42   |
| 4.0" | 97.6 | 119  | 157 | 62.6 | 56.7 |



**MIDDLE CLAMP WELD END**

| SIZE | øA   | øB    | E  | D  |
|------|------|-------|----|----|
| 1/2" | 9.5  | 12.7  | 24 | 34 |
| 3/4" | 15.8 | 19.05 | 24 | 34 |
| 1.0" | 22.2 | 25.4  | 34 | 48 |
| 1.5" | 34.8 | 38.1  | 36 | 48 |
| 2.0" | 47.5 | 50.8  | 36 | 48 |
| 2.5" | 60.2 | 63.5  | 36 | 48 |
| 3.0" | 72.9 | 76.2  | 36 | 48 |



**MIDDLE CLAMP CLAMP END**

| SIZE | øA   | øB   | E    | D    |
|------|------|------|------|------|
| 1/2" | 9.5  | 25.2 | 28.5 | 39.5 |
| 3/4" | 15.8 | 25.2 | 28.5 | 39.5 |
| 1.0" | 22.2 | 50.5 | 34   | 48   |
| 1.5" | 34.9 | 50.5 | 36   | 48   |
| 2.0" | 47.6 | 64   | 36   | 48   |
| 2.5" | 60.3 | 77.5 | 36   | 48   |
| 3.0" | 73   | 91   | 36   | 48   |